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ABSTRACT

Tables are presented that detail the relation of 422 Western Interstate Commission for Higher Education (WICHE) exchange program dental graduates to the dental manpower of the following sending states: Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming. Tables show the location of the WICHE graduates, the number of dentists in the WICHE sending states, an analysis of the ratio of program graduates with permanent addresses and dental manpower in WICHE sending states, and an analysis of graduates and current dental manpower in the 10 states combined and by state. Among findings of the study are that 59 percent of the graduates were located in 1975 in the home state that had sent them as exchange students, 124 graduates were located in the three states having receiving dental schools, the graduates of the seven WICHE schools constitute 23 percent of all the student exchange program graduates located in the 10 sending states combined, and 26 graduates were located in the United States outside the WICHE region. (PHR)

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A STUDY OF DENTAL GRADUATES OF THE WICHE STUDENT EXCHANGE PROGRAMS SHOWING THE RELATION OF THAT GROUP TO THE DENTAL MANPOWER OF THE SENDING STATES

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STATES SUPPORTING STUDENTS, OR "SENDING" STATES IN DENTISTRY IN 1975

ALASKA
ARIZONA
COLORADO
HAWAII
IDAHO
MONTANA
NEVADA
NEW MEXICO
UTAH
WYOMING

A STUDY OF DENTAL GRADUATES OF THE WICHE STUDENT EXCHANGE PROGRAMS SHOWING THE RELATION OF THAT GROUP TO THE DENTAL MANPOWER OF THE SENDING STATES

Student Exchange Programs
WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION
P. O. Drawer P Boulder, Colorado 80302

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SOURCES

The names of the 501 SEP graduates in dentistry, along with the school and year of graduation with the dental degree, were obtained from the records of the Student Exchange Programs.

The 1975 location of dentists, along with the information on school and year of receipt of the dental degree necessary to classify them in the categories used in this report, were secured from the 1976 American Dental Directory published annually by the American Dental Association. Checks against selected, readily-available state lists of licensed dentists suggest that only 1% of the dentists in the WICHE states are not listed in the Directory. No correction for this discrepancy has been made in the data reported here, so that the various figures as to numbers of dentists located in the WICHE states are probably understated by about 1%. We have no basis for assuming that this factor applies selectively to some figures and not others.

Sixty-one graduates were either fulfilling military obligations or completing graduate studies and were classified as "located with temporary addresses." There were seven graduates for whom we could find no address and eleven whose addresses coincide to home addresses given while they were students. These 18 were classified as "deceased or unknown."

HIGHLIGHTS

* Fifty-nine percent of SEP graduates were located in 1975 in the home state which had sent them as exchange students. For individual states this percentage varied from 40 to 75. (See Table 3.)

* Compared to the number of SEP graduates sent by the state, the number of SEP graduates sent by all states who are located in the given state represents a ratio which varies among the individual states from .47 to 1.00. For the ten sending states combined the ratio is .64. (See Table 3.)

* One hundred twenty-four SEP graduates were located in the three states having receiving dental schools. But there were 314 non-SEP graduates of those seven schools, who received the dental degree during the SEP era, located in the ten sending states. (See Table 4.)

* The total number of dentists graduated with the DDS during the SEP era located in the sending state, exceeds the number of SEP graduates sent by that state in each of the ten sending states. The ratio varies from 2.57 in Idaho to 17.93 in Colorado. For the ten sending states combined, the ratio is 6.07. (See Table 3.)

* Of the total SEP era graduates from all schools located in the sending states, the SEP graduates represent 11%. This varies among the individual sending states from 3% to 23%. SEP graduates represent 5% of the total grads 1936-1975 located in the ten sending states, and this varies from 1% to 12%. (See Table 3.)

- Graduates of the seven WICHE schools constitute 23% of all the SEP era graduates located in the ten sending states combined. In individual states this varies from 8% to 45%. The percentages are slightly lower when the 1936-1975 period is included. (See Table 3.)

- Twenty-six SEP graduates were located in the United States outside the WICHE region, while 1,974 SEP era graduates of institutions outside the region were located in the ten sending states. (See Table 4.)

- Data for individual states will be found in Table 4 series as well as in Tables 1, 2, and 3.

1975 LOCATION OF WICHE SEP GRADUATES IN DENTISTRY

There have been 501 SEP graduates in dentistry through 1975 and information on the 1975 location was obtained for 422 of them.

Table 1, facing, shows the distribution by 1975 location of the SEP graduates from each of the ten sending states. Thus, for Nevada there are a total of 60 SEP graduates of whom 45 were located with permanent addresses. Of the 45, four were located outside the WICHE region, leaving 41 within the region. Twenty-six are located in Nevada, nine in California, and so forth.

Table 1 also shows the number of SEP graduates located in each of the thirteen WICHE states according to the home state which sent them as exchange students. In addition to the 26 sent by Nevada who were located in that state, one additional graduate from Arizona was located in Nevada, making the total graduates located there 27.

Three hundred ninety-six of the 422, or 94% were located within the WICHE region.

Table 1

1975 LOCATION OF WICHE SEP GRADUATES IN DENTISTRY

(Graduates through 1975)

Sending States	AK	AZ	CA	CO	HI	ID	MT	NV	NM	OR	UT	WA	WY	Total in WICHE States	Out[a] of Region	Permanent Address	Temporary[b] Address	Deceased[c] or Unknown	Total SEP Grads
Alaska	4	1								1		2		8	2	10	1		11
Arizona	1	88	27					1		4		3		124	4	128	9	5	142
Colorado		1	11	20			3			2		2		39	4	43	10	4	57
Hawaii			6		13							1		20	1	21	4	1	26
Idaho		3	11			49	1			9	1	6		82	4	86	12	1	99
Montana	1		4	1			28			8		2		40	4	44	6	1	51
Nevada		1	9	1				26		2	1	1		41	4	45	9	6	60
New Mexico		2	4						7	1				14	1	15	2		17
Utah										1	6			7	1	8	5		13
Wyoming	1	2		1		1				3		2	11	21	1	22	3		25
Total Located in Each State	7	98	72	23	13	50	28	27	7	31	8	21	11	396	26	422	61	18	501

a. Includes career armed services.
b. Temporary address covers graduates fulfilling a military obligation or attending graduate school.
c. Includes 7 for whom no address was found, and 11 who were 1975 graduates listed as student members of ADA with addresses coinciding with the students' home addresses.

NUMBER OF DENTISTS LOCATED IN THE 48CONE SENDING STATES IN 1975

Table 2 shows, for each sending state, the number of dentists listed with addresses in the 1976 American Dental Directory who received the dental degree during the period 1936 through 1975. Separate counts are shown for those receiving the dental degree during the SEP era of the state and those receiving the degree during the period from 1936 up to the start of the SEP era.

Further subclassification of these numbers is shown for each sending state in the Table 4 series.

The SEP era referred to in this and succeeding tables is the period beginning with the first year when that state had SEP graduates and ending with the 1975 graduating class.

Table 2

NUMBER OF DENTISTS LOCATED IN THE WICHE SENDING STATES IN 1975

		Persons Listed in ADA Directory With Addresses in the Given State		
	SEP Era*	Received DDS During SEP Era	Received DDS Between 1936 & Start of SEP Era	Total Receiving DDS 1936-1975
ALASKA	1961-1975	94	43	137
ARIZONA	1957-1975	636	309	945
COLORADO	1960-1975	771	601	1,372
HAWAII	1964-1975	151	346	497
IDAHO	1959-1975	221	181	402
MONTANA	1958-1975	190	170	360
NEVADA	1965-1975	132	172	304
NEW MEXICO	1962-1975	158	225	383
UTAH	1973-1975	97	637	734
WYOMING	1957-1975	110	58	168
TOTAL		2,560	2,742	5,302

*The SEP era for each state is the period beginning with the first year when that state had SEP graduates and ending with the 1975 graduating class.

SELECTED ANALYTICAL RATIOS ON SEP GRADUATES WITH PERMANENT ADDRESSES AND DENTAL MANPOWER IN WICHE SENDING STATES

In Table 3, the first section of four columns shows ratios between four increasingly inclusive counts of dentists located in each state who received the dental degree during the SEP era, and the number of SEP graduates with permanent addresses sent by that state. Thus, for the state of New Mexico, the following information is shown:

Column 1 Of the SEP graduates sent by New Mexico, .47 are located in New Mexico.

Column 2 The number of SEP graduates, regardless of state of origin, located in New Mexico represents .47 of the number of SEP graduates sent by New Mexico.

Column 3 When non-SEP graduates of the seven WICHE schools located in New Mexico are included, the number of graduates from the WICHE region located in New Mexico represents .87 of the number of SEP graduates sent by New Mexico.

Column 4 The total number of SEP era grads from all schools located in New Mexico represents 10.53 of the number of SEP graduates sent by New Mexico.

The second and third sections of Table 3, respectively, show ratios of pertinent counts for each state to the total SEP era graduates located in that state and to the total graduates of 1935-1975 located in that state.

Table 3

SELECTED ANALYTICAL RATIOS ON SEP GRADUATES WITH PERMANENT ADDRESSES AND DENTAL MANPOWER IN THE WICHE SENDING STATES

	Student Exchange Programs Era							Graduated 1936-1975		
	This State's SEP Grads Located Here	All States' SEP Grads Located Here	Total Grads of 7 WICHE Dental Schools Located Here	Total Grads of All Dental Schools Located Here	This State's SEP Grads Located Here	All States' SEP Grads Located Here	Total Grads of 7 WICHE Dental Schools Located Here	This State's SEP Grads Located Here	All States' SEP Grads Located Here	All Grads of 7 WICHE Dental Schools Located Here
	Total SEP Grads Sent by This State*				Total Grads of All Dental Schools Located Here			Total DDS's Graduated Since 1936 Located Here		
ALASKA	.40	.70	3.70	9.40	.04	.07	.39	.03	.05	.37
ARIZONA	.69	.77	1.37	4.97	.14	.15	.28	.09	.10	.26
COLORADO	.47	.53	1.37	17.93	.03	.03	.08	.01	.02	.06
HAWAII	.62	.62	2.43	7.19	.09	.09	.34	.03	.03	.18
IDAHO	.57	.58	1.10	2.57	.22	.23	.43	.12	.12	.40
MONTANA	.55	.64	1.05	4.32	.13	.15	.24	.07	.08	.17
NEVADA	.58	.60	1.33	2.93	.20	.20	.45	.09	.09	.36
NEW MEXICO	.47	.47	.87	10.53	.04	.04	.08	.02	.02	.07
UTAH	.75	1.00	4.25	12.13	.06	.08	.35	.01	.01	.34
WYOMING	.50	.50	.73	5.00	.10	.10	.15	.07	.07	.11
Ten Sending States Combined	.59	.64	1.39	6.07	.10	.11	.23	.05	.05	.21

*Based on number located, excluding those with temporary addresses, deceased, or unknown.

TEN SENDING STATES COMBINED

There have been 501 SEP graduates in dentistry, up through 1975, and information was obtained on the permanent location in 1975 for 422 of them. Sixty-one were located in temporary assignments such as armed forces or graduate work.

Two hundred and forty-eight of the 422, or 59%, were located in the state which had sent them as exchange students. Twenty-four were located in a sending state other than the one that sent them, so that the total of SEP graduates located in the ten sending states represents 64% of the number of SEP graduates sent by the ten states. Another 124 students were located in the three receiving states. Thus, 396 of 422 graduates, or 94% of all SEP graduates with permanent addresses were located within the WICHE region.

In addition to the 272 SEP graduates located in the ten sending states, there were 314 non-SEP graduates of the seven WICHE dental schools located in these states who had received the DDS degree during the respective SEP eras of the states where they were located. Combined, the total is 586 SEP era graduates of the seven WICHE dental schools located in the ten sending states compared to 422 SEP graduates sent as exchange students by those states. When graduates of out-of-region and foreign schools are included, the number of SEP era graduates located in the ten sending states is 6.1 times the number of SEP graduates sent by the ten states.

SEP graduates represent 11% of all SEP era graduates located in the ten states and 5% of the 5,302 grand total shown in the table.

Of the 2,560 individuals located in the ten states in 1975 who had received the DDS degree during the SEP era, 586 or 23% were graduates of the seven WICHE dental schools. Of the 2,742 who received the DDS degree during the period from 1936 up to the beginning of the SEP era, 505 or 18% were graduates of the seven WICHE schools.

Table 4

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER IN THE TEN SENDING STATES

WICHE SEP GRADUATES		PERSONS LISTED IN ADA DIRECTORY WITH SENDING STATE ADDRESSES WHO RECEIVED DENTAL DEGREE DURING THE SEP ERA	
Located in home state in 1975	*248*	*248**	*Home state SEP*
Located in other sending states	24	24*	SEP from other sending states
		48	Non-SEP graduates of UCSF & UCLA
		142	Non-SEP graduates of LL, UOP, & USC
Located in California	72	190	Total non-SEP graduates of California institutions
Located in Oregon	31	65	Non-SEP graduates of ORE
Located in Washington	21	59	Non-SEP graduates of WASH
Total in other WICHE states	*148*	*338*	*Total from other WICHE states*
Located in U.S. outside WICHE region	26	1,971	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	3	Graduates of institutions outside U.S.
Total out-of-region & foreign	*26*	*1,974*	*Total out-of-region & foreign*
Total WICHE SEP graduates located with permanent addresses	*422*	*2,560*	*Total graduates during SEP era*
Located with temporary addresses	61	PERSONS LISTED IN ADA DIRECTORY WITH SENDING STATE ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 UP TO SEP ERA	
Deceased or unknown	18		
Total WICHE SEP graduates from SEP records	*501*	56	Graduates of UCSF & UCLA
		239	Graduates of LL, UOP, and USC
		133	Graduates of ORE
		77	Graduates of WASH
		2,232	Graduates of U.S. institutions outside WICHE region
		5	Graduates of institutions outside U.S.
		2,742	*Total graduates 1936 up to SEP era*
		5,302	*Grand total of persons listed who received degree 1936 through 1975*

*The 272 SEP graduates were graduated from: UCLA-12; UCSF-16; LL-25; UOP-29; USC-36; ORE-112; WASH-42.

ALASKA

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been eleven SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Alaska, and information on the permanent location in 1975 was obtained for ten of them. One was located in a temporary assignment completing graduate work.

Four of the ten, or 40%, were located in Alaska. Three SEP graduates from other sending states were located in Alaska so that the total of SEP graduates located in Alaska represents 70% of the number of SEP graduates with permanent addresses sent by Alaska. There were also 30 non-SEP graduates of the seven WICHE dental schools located in Alaska who had received the dental degree during Alaska's SEP era, 1961 through 1975. Including these, the total is 37 graduates during the SEP era from the WICHE region located in Alaska, compared to ten graduates sent as exchange students by Alaska. When graduates of out-of-region and foreign schools are included, the number of SEP era graduates located in Alaska is 9.4 times the number of SEP graduates sent by Alaska.

SEP graduates represent 7% of all SEP era graduates located in Alaska and 5% of the 137 grand total shown on the table.

Of the 94 individuals located in Alaska in 1975 who had received the dental degree during the SEP era, 37 or 39% were graduates of the seven WICHE dental schools. Of the 43 who received the dental degree during the period 1936-1960, 14 or 33% were graduates of the seven WICHE schools.

Table 4a

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER
IN THE STATE OF ALASKA

ALASKA SEP GRADUATES 1961 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH ALASKAN ADDRESSES WHO RECEIVED DENTAL DEGREE 1961 THROUGH 1975	
Located in Alaska in 1975	*4*	*4*	*Alaska SEP*
Located in other "sending" states	1	3	SEP from other "sending" states
		3	Non-SEP graduates of UCSF & UCLA
		7	Non-SEP graduates of LL, UOP, & USC
Located in California	0	10	Total non-SEP graduates of California institutions
Located in Oregon	1	10	Non-SEP graduates of ORE
Located in Washington	2	10	Non-SEP graduates of WASH
Total in other WICHE states	*4*	*33*	*Total from other WICHE states*
Located in U.S. outside WICHE region	2	56	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	1	Graduates of institutions outside U.S.
Total out-of-region & foreign	*2*	*57*	*Total out-of-region & foreign*
Total Alaska SEP located with permanent addresses	*10*	*94*	*Total graduates 1961 through 1975 located in Alaska*
Located with temporary addresses	1	PERSONS LISTED IN ADA DIRECTORY WITH ALASKA ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1960	
Deceased or unknown	0	0	Graduates of UCSF & UCLA
Total Alaska SEP graduates from SEP records	*11*	0	Graduates of LL, UOP, and USC
		8	Graduates of ORE
		6	Graduates of WASH
		29	Graduates of U.S. institutions outside WICHE region
		0	Graduates of institutions outside U.S.
		43	*Total graduates 1936 through 1960*
		137	*Grand total of persons listed who received degree 1936 through 1975*

ARIZONA

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 142 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Arizona, and information on the permanent location in 1975 was obtained for 128 of them. Another nine were located in temporary assignments such as armed forces or graduate work.

Eighty-eight of the 128, or 69%, were located in Arizona. Ten SEP graduates from other sending states were located in Arizona, so that the total of SEP graduates located in Arizona represents 77% of the number of SEP graduates with permanent addresses sent by Arizona. There were also 77 non-SEP graduates of the seven WICHE dental schools located in Arizona who had received the dental degree during Arizona's SEP era, 1957 through 1975. Including these, the total is 175 graduates during the SEP era from the WICHE region located in Arizona, compared to 128 graduates sent as exchange students by Arizona. When graduates of out-of-region schools are included, the number of SEP era graduates located in Arizona is 5.0 times the number of SEP graduates sent by Arizona.

SEP graduates represent 15% of all SEP era graduates located in Arizona and 10% of the 945 grand total shown on the table.

Of the 636 individuals located in Arizona in 1975 who had received the dental degree during the SEP era, 175 or 28% were graduates of the seven WICHE dental schools. Of the 309 who received the dental degree during the period 1936-1956, 75 or 24% were graduates of the seven WICHE schools.

Table 4b

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER
IN THE STATE OF ARIZONA

ARIZONA SEP GRADUATES 1957 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH ARIZONA ADDRESSES WHO RECEIVED DENTAL DEGREE 1957 THROUGH 1975	
Located in Arizona in 1975	*88*	*88*	*Arizona SEP*
Located in other "sending" states	2	10	SEP from other "sending" states
		13	Non-SEP graduates of UCSF & UCLA
		35	Non-SEP graduates of LL, UOP, & USC
Located in California	27	48	Total non-SEP graduates of California institutions
Located in Oregon	4	15	Non-SEP graduates of ORE
Located in Washington	3	14	Non-SEP graduates of WASH
Total in other WICHE states	*36*	*87*	*Total from other WICHE states*
Located in U.S. outside WICHE region	4	461	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	0	Graduates of institutions outside U.S.
Total out-of-region & foreign	*4*	*461*	*Total out-of-region & foreign*
Total Arizona SEP located with permanent addresses	*128*	*636*	*Total graduates 1957 through 1975 located in Arizona*
Located with temporary addresses	9	PERSONS LISTED IN ADA DIRECTORY WITH ARIZONA ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1956	
Deceased or unknown	5		
Total Arizona SEP graduates from SEP records	*142*	9	Graduates of UCSF & UCLA
		51	Graduates of LL, UOP, and USC
		10	Graduates of ORE
		5	Graduates of WASH
		233	Graduates of U.S. institutions outside WICHE region
		1	Graduates of institutions outside U.S.
		309	*Total graduates 1936 through 1956*
		945	*Grand total of persons listed who received degree 1936 through 1975*

COLORADO

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 57 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Colorado, and information on the permanent location in 1975 was obtained for 43 of them. Another ten were located in temporary assignments such as armed forces or graduate work.

Twenty of the 43, or 47%, were located in Colorado. Three SEP graduates from other sending states were located in Colorado, so that the total of SEP graduates located in Colorado represents 53% of the number of SEP graduates with permanent addresses sent by Colorado. There were also 36 non-SEP graduates of the seven WICHE dental schools located in Colorado who had received the dental degree during Colorado's SEP era, 1960 through 1975. Including these, the total is 59 graduates during the SEP era from the WICHE region located in Colorado, compared to 43 graduates sent as exchange students by Colorado. When graduates of out-of-region schools are included, the number of SEP era graduates located in Colorado is 18 times the number of SEP graduates sent by Colorado.

SEP graduates represent 3% of all SEP era graduates located in Colorado and 2% of the 1,372 grand total shown on the table.

Of the 771 individuals located in Colorado in 1975 who had received the dental degree during the SEP era, 59 or 8% were graduates of the seven WICHE dental schools. Of the 601 who received the dental degree during the period 1936-1959, 21 or 3% were graduates of the seven WICHE schools.

Table 4c

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER
IN THE STATE OF COLORADO*

COLORADO SEP GRADUATES 1960 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH COLORADO ADDRESSES WHO RECEIVED DENTAL DEGREE 1960 THROUGH 1975	
Located in Colorado in 1975	*20*	*20*	*Colorado SEP*
Located in other "sending" states	4	3	SEP from other "sending" states
		2	Non-SEP graduates of UCSF & UCLA
		22	Non-SEP graduates of LL, UOP, & USC
Located in California	11	24	Total non-SEP graduates of California institutions
Located in Oregon	2	6	Non-SEP graduates of ORE
Located in Washington	2	6	Non-SEP graduates of WASH
Total in other WICHE states	*19*	*39*	*Total from other WICHE states*
Located in U.S. outside WICHE region	4	712	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	0	Graduates of institutions outside U.S.
Total out-of-region & foreign	*4*	*712*	*Total out-of-region & foreign*
Total Colorado SEP located with permanent addresses	*43*	*771*	*Total graduates 1960 through 1975 located in Colorado*
Located with temporary addresses	10	PERSONS LISTED IN ADA DIRECTORY WITH COLORADO ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1959	
Deceased or unknown	4		
Total Colorado SEP graduates from SEP records	*57*	2	Graduates of UCSF & UCLA
		13	Graduates of LL, UOP, and USC
		5	Graduates of ORE
		1	Graduates of WASH
		579	Graduates of U.S. institutions outside WICHE region
		1	Graduates of institutions outside U.S.
		601	*Total graduates 1936 through 1959*
		1,372	*Grand total of persons listed who received degree 1936 through 1975*

*Colorado established a dental school in 1973. The final group of SEP students graduated in 1976.

HAWAII

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 26 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Hawaii, and information on the permanent location in 1975 was obtained for 21 of them. Another four were located in temporary assignments such as armed forces or graduate work.

Thirteen of the 21, or 62%, were located in Hawaii. None of the SEP graduates from other sending states were located in Hawaii. There were 38 non-SEP graduates of the seven WICHE dental schools located in Hawaii who had received the dental degree during Hawaii's SEP era, 1964 through 1975. Totalling these, 51 graduates during the SEP era from the WICHE region were located in Hawaii, compared to 21 graduates with permanent addresses sent as exchange students by Hawaii. When graduates of out-of-region schools are included, the number of SEP era graduates located in Hawaii is 7.2 times the number of SEP graduates sent by Hawaii.

SEP graduates represent 9% of all SEP era graduates located in Hawaii and 3% of the 497 grand total shown on the table.

Of the 151 individuals located in Hawaii in 1975 who had received the dental degree during the SEP era, 51 or 34% were graduates of the seven WICHE dental schools. Of the 346 who received the dental degree during the period 1936-1963, 38 or 11% were graduates of the seven WICHE schools.

Table 44

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER
IN THE STATE OF HAWAII

HAWAII SEP GRADUATES 1968 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH HAWAIIAN ADDRESSES WHO RECEIVED DENTAL DEGREE 1968 THROUGH 1975	
Located in Hawaii in 1975	*33*	*33*	*Hawaii SEP*
Located in other "sending" states	0	0	SEP from other "sending" states
		16	Non-SEP graduates of UCSF & UCLA
		16	Non-SEP graduates of LLu, UOP, & USC
Located in California	6	32	Total non-SEP graduates of California institutions
Located in Oregon	0	4	Non-SEP graduates of ORE
Located in Washington	1	2	Non-SEP graduates of WASH
Total in other WICHE states	*7*	*33*	*Total from other WICHE states*
Located in U.S. outside WICHE region	1	100	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	3	Graduates of institutions outside U.S.
Total out-of-region & foreign	*1*	*103*	*Total out-of-region & foreign*
Total Hawaii SEP located with permanent addresses	*33*	*181*	*Total graduates 1968 through 1975 located in Hawaii*
Located with temporary addresses	4	PERSONS LISTED IN ADA DIRECTORY WITH HAWAIIAN ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1963	
Deceased or unknown	1		
Total Hawaii SEP graduates from SEP records	*38*	0	Graduates of UCSF & UCLA
		26	Graduates of LLu, UOP, and USC
		6	Graduates of ORE
		0	Graduates of WASH
		307	Graduates of U.S. institutions outside WICHE region
		1	Graduates of institutions outside U.S.
		340	*Total graduates 1936 through 1963*
		487	*Grand total of persons listed who received degrees 1936 through 1975*

IDAHO

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 99 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Idaho, and information on the permanent location in 1975 was obtained for 86 of them. Another 12 were located in temporary assignments such as armed forces or graduate work.

Forty-nine of the 86, or 57%, were located in Idaho. One SEP graduate from another sending state was located in Idaho, so that the total of SEP graduates located in Idaho represents 58% of the number of SEP graduates with permanent addresses sent by Idaho. There were also 45 non-SEP graduates of the seven WICHE dental schools located in Idaho who had received the dental degree during Idaho's SEP era, 1959 through 1975. Including these, the total is 95 graduates during the SEP era from the WICHE region located in Idaho, compared to 86 graduates sent as exchange students by Idaho. When graduates of out-of-region schools are included, the number of SEP era graduates located in Idaho is 2.6 times the number of SEP graduates sent by Idaho.

SEP graduates represent 23% of all SEP era graduates located in Idaho and 12% of the 402 grand total shown on the table.

Of the 221 individuals located in Idaho in 1975 who had received the dental degree during the SEP era, 95 or 43% were graduates of the seven WICHE dental schools. Of the 181 who received the dental degree during the period 1936-1958, 64 or 35% were graduates of the seven WICHE schools.

Table 4e

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER IN THE STATE OF IDAHO

IDAHO SEP GRADUATES 1959 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH IDAHO ADDRESSES WHO RECEIVED DENTAL DEGREE 1959 THROUGH 1975	
Located in Idaho in 1975	*49*	*49*	*Idaho SEP*
Located in other "sending" states	5	1	SEP from other "sending" states
		1	Non-SEP graduates of UCSF & UCLA
		15	Non-SEP graduates of LL, UOP, & USC
Located in California	11	16	Total non-SEP graduates of California institutions
Located in Oregon	9	14	Non-SEP graduates of ORE
Located in Washington	8	15	Non-SEP graduates of WASH
Total in other WICHE states	*33*	*46*	*Total from other WICHE states*
Located in U.S. outside WICHE region	4	126	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	0	Graduates of institutions outside U.S.
Total out-of-region & foreign	*4*	*126*	*Total out-of-region & foreign*
Total Idaho SEP located with permanent addresses	*86*	*221*	*Total graduates 1959 through 1975 located in Idaho*
Located with temporary addresses	12	PERSONS LISTED IN ADA DIRECTORY WITH IDAHO ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1958	
Deceased or unknown	1	2	Graduates of UCSF & UCLA
Total Idaho SEP graduates from SEP records	*99*	20	Graduates of LL, UOP, and USC
		29	Graduates of ORE
		13	Graduates of WASH
		117	Graduates of U.S. institutions outside WICHE region
		0	Graduates of institutions outside U.S.
		181	*Total graduates 1936 through 1958*
		402	*Grand total of persons listed who received degree 1936 through 1975*

MONTANA

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 51 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Montana, and information on the permanent location in 1975 was obtained for 44 of them. Another 6 were located in temporary assignments such as armed forces or graduate work.

Twenty-four of the 44, or 55%, were located in Montana. Four SEP graduates from other sending states were located in Montana, so that the total of SEP graduates located in Montana represents 64% of the number of SEP graduates with permanent addresses sent by Montana. There were also 18 non-SEP graduates of the seven WICHE dental schools located in Montana who had received the dental degree during Montana's SEP era, 1958 through 1975. Including these, the total is 46 graduates during the SEP era from the WICHE region located in Montana, compared to 44 graduates sent as exchange students by Montana. When graduates of out-of-region schools are included, the number of SEP era graduates located in Montana is 4.3 times the number of SEP graduates sent by Montana.

SEP graduates represent 15% of all SEP era graduates located in Montana and 8% of the 360 grand total shown on the table.

Of the 190 individuals located in Montana in 1975 who had received the dental degree during the SEP era, 46 or 24% were graduates of the seven WICHE dental schools. Of the 170 who received the dental degree during the period 1936-1957, 14 or 8% were graduates of the seven WICHE schools.

Table 4f

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER IN THE STATE OF MONTANA

MONTANA SEP GRADUATES 1958 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH MONTANA ADDRESSES WHO RECEIVED DENTAL DEGREE 1958 THROUGH 1975	
Located in Montana in 1975	24	24	*Montana SEP*
Located in other "sending" states	2	4	SEP from other "sending" states
		1	Non-SEP graduates of UCSF & UCLA
		5	Non-SEP graduates of LL, UOP, & USC
Located in California	4	6	Total non-SEP graduates of California institutions
Located in Oregon	8	5	Non-SEP graduates of ORE
Located in Washington	2	7	Non-SEP graduates of WASH
Total in other WICHE states	16	22	*Total from other WICHE states*
Located in U.S. outside WICHE region	4	144	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	0	Graduates of institutions outside U.S.
Total out-of-region & foreign	4	144	*Total out-of-region & foreign*
Total Montana SEP located with permanent addresses	44	190	*Total graduates 1958 through 1975 located in Montana*
Located with temporary addresses	6	PERSONS LISTED IN ADA DIRECTORY WITH MONTANA ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1957	
Deceased or unknown	1		
Total Montana SEP graduates from SEP records	51	0	Graduates of UCSF & UCLA
		4	Graduates of LL, UOP, and USC
		5	Graduates of ORE
		5	Graduates of WASH
		154	Graduates of U.S. institutions outside WICHE region
		2	Graduates of institutions outside U.S.
		170	*Total graduates 1936 through 1957*
		360	*Grand total of persons listed who received degree 1936 through 1975*

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NEVADA

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 60 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Nevada, and information on the permanent location in 1975 was obtained for 45 of them. Another nine were located in temporary assignments such as armed forces or graduate work.

Twenty-six of the 45, or 58%, were located in Nevada. One SEP graduate from another sending state was located in Nevada, so that the total of SEP graduates located in Nevada represents 60% of the number of SEP graduates with permanent addresses sent by Nevada. There were also 33 non-SEP graduates of the seven WICHE dental schools located in Nevada who had received the dental degree during Nevada's SEP era, 1965 through 1975. Including these, the total is 60 graduates during the SEP era from the WICHE region located in Nevada, compared to 45 graduates sent as exchange students by Nevada. When graduates of out-of-region schools are included, the number of SEP era graduates located in Nevada is 2.9 times the number of SEP graduates sent by Nevada.

SEP graduates represent 20% of all SEP era graduates located in Nevada and 9% of the 304 grand total shown on the table.

Of the 132 individuals located in Nevada in 1975 who had received the dental degree during the SEP era, 60 or 45% were graduates of the seven WICHE dental schools. Of the 172 who received the dental degree during the period 1936-1964, 49 or 28% were graduates of the seven WICHE schools.

Table 4g

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER
IN THE STATE OF NEVADA

NEVADA SEP GRADUATES 1965 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH NEVADA ADDRESSES WHO RECEIVED DENTAL DEGREE 1965 THROUGH 1975	
Located in Nevada in 1975	*26*	*26*	*Nevada SEP*
Located in other "sending" states	3	1	SEP from other "sending" states
		7	Non-SEP graduates of UCSF & UCLA
		17	Non-SEP graduates of LL, UOP, & USC
Located in California	9	24	Total non-SEP graduates of California institutions
Located in Oregon	2	8	Non-SEP graduates of ORE
Located in Washington	1	1	Non-SEP graduates of WASH
Total in other WICHE states	*15*	*34*	*Total from other WICHE states*
Located in U.S. outside WICHE region	4	72	Graduates of U.S. institutions outside WICHE REGION
Located outside the U.S.	0	0	Graduates of institutions outside U.S.
Total out-of-region & foreign	*4*	*72*	*Total out-of-region & foreign*
Total Nevada SEP located with permanent addresses	*45*	*132*	*Total graduates 1965 through 1975 located in Nevada*
Located with temporary addresses	9	PERSONS LISTED IN ADA DIRECTORY WITH NEVADA ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1964	
Deceased or unknown	6		
Total Nevada SEP graduates from SEP records	*60*	4	Graduates of UCSF & UCLA
		26	Graduates of LL, UOP, and USC
		16	Graduates of ORE
		3	Graduates of WASH
		123	Graduates of U.S. institutions outside WICHE region
		0	Graduates of institutions outside U.S.
		172	*Total graduates 1936 through 1964*
		304	*Grand total of persons listed who received degree 1936 through 1975*

NEW MEXICO

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 17 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of New Mexico, and information on the permanent location in 1975 was obtained for 15 of them. Another two were located in temporary assignments such as armed forces or graduate work.

Seven of the 15, or 47%, were located in New Mexico. None of the SEP graduates from other sending states were located in New Mexico. There were six non-SEP graduates of the seven WICHE dental schools located in New Mexico who had received the dental degree during New Mexico's SEP era, 1962 through 1975. Totalling these, 13 graduates during the SEP era from the WICHE region were located in New Mexico, compared to 15 graduates with permanent addresses sent as exchange students by New Mexico. When graduates of out-of-region and foreign schools are included, the number of SEP era graduates located in New Mexico is 10.5 times the number of SEP graduates sent by New Mexico.

SEP graduates represent 4% of all SEP era graduates located in New Mexico and 2% of the 383 grand total shown on the table.

Of the 158 individuals located in New Mexico in 1975 who had received the dental degree during the SEP era, 13 or 8% were graduates of the seven WICHE dental schools. Of the 225 who received the dental degree during the period 1936-1961, 13 or 6% were graduates of the seven WICHE schools.

Table 4h

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER
IN THE STATE OF NEW MEXICO

NEW MEXICO SEP GRADS 1962 THROUGH 1975	
Located in New Mexico in 1975	*7*
Located in other "sending" states	2
Located in California	4
Located in Oregon	1
Located in Washington	0
Total in other WICHE states	*7*
Located in U.S. outside WICHE region	1
Located outside the U.S.	0
Total out-of-region & foreign	*1*
Total New Mexico SEP located with permanent addresses	*15*
Located with temporary addresses	2
Deceased or unknown	0
Total New Mexico SEP graduates from SEP records	*17*

PERSONS LISTED IN ADA DIRECTORY WITH NEW MEXICO ADDRESSES WHO RECEIVED DENTAL DEGREE 1962 THROUGH 1975	
7	*New Mexico SEP*
0	SEP from other "sending" states
1	Non-SEP graduates of UCSF & UCLA
5	Non-SEP graduates of LL, UOP, & USC
6	Total non-SEP graduates of California institutions
0	Non-SEP graduates of ORE
0	Non-SEP graduates of WASH
6	*Total from other WICHE states*
144	Graduates of U.S. institutions outside WICHE region
1	Graduates of institutions outside U.S.
145	*Total out-of-region & foreign*
158	*Total graduates 1962 through 1975 located in New Mexico*

PERSONS LISTED IN ADA DIRECTORY WITH NEW MEXICO ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1961	
1	Graduates of UCSF & UCLA
8	Graduates of LL, UOP, and USC
3	Graduates of ORE
1	Graduates of WASH
212	Graduates of U.S. institutions outside WICHE region
0	Graduates of institutions outside U.S.
225	*Total graduates 1936 through 1961*
383	*Grand total of persons listed who received degree 1936 through 1975*

UTAH

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 13 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Utah, and information on the permanent location in 1975 was obtained for eight of them. Another five were located in temporary assignments such as armed forces or graduate work.

Six of the eight, or 75%, were located in Utah. Two SEP graduates from other sending states were located in Utah, so that the total of SEP graduates located in Utah represents 100% of the number of SEP graduates with permanent addresses sent by Utah. There were also 26 non-SEP graduates of the seven WICHE dental schools located in Utah who had received the dental degree during Utah's SEP era, 1973 through 1975. Including these, the total is 34 graduates during the SEP era from the WICHE region located in Utah, compared to eight graduates sent as exchange students by Utah. When graduates of out-of-region schools are included, the number of SEP era graduates located in Utah is 12 times the number of SEP graduates sent by Utah.

SEP graduates represent 8% of all SEP era graduates located in Utah and 1% of the 734 grand total shown on the table.

Of the 97 individuals located in Utah in 1975 who had received the dental degree during the SEP era, 34 or 35% were graduates of the seven WICHE dental schools. Of the 637 who received the dental degree during the period 1936-1972, 214 or 34% were graduates of the seven WICHE schools.

Table 41

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER IN THE STATE OF UTAH

UTAH SEP GRADUATES 1973 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH UTAH ADDRESSES WHO RECEIVED DENTAL DEGREE 1973 THROUGH 1975	
Located in Utah in 1975	*6*	*6*	*Utah SEP*
Located in other "sending" states	0	2	SEP from other "sending" states
		4	Non-SEP graduates of UCSF & UCLA
		19	Non-SEP graduates of LL, UOP, & USC
Located in California	0	23	Total non-SEP graduates of California institutions
Located in Oregon	1	2	Non-SEP graduates of ORE
Located in Washington	0	1	Non-SEP graduates of WASH
Total in other WICHE states	*1*	*28*	*Total from other WICHE states*
Located in U.S. outside WICHE region	1	63	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	0	Graduates of institutions outside U.S.
Total out-of-region & foreign	*1*	*63*	*Total out-of-region & foreign*
Total Utah SEP located with permanent addresses	*8*	*97*	*Total graduates 1973 through 1975 located in Utah*
Located with temporary addresses	5		
Deceased or unknown	0		
Total Utah SEP graduates from SEP records	*13*		

PERSONS LISTED IN ADA DIRECTORY WITH UTAH ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1972	
29	Graduates of UCSF & UCLA
92	Graduates of LL, UOP, and USC
50	Graduates of ORE
43	Graduates of WASH
423	Graduates of U.S. institutions outside WICHE region
0	Graduates of institutions outside U.S.
637	*Total graduates 1936 through 1972*
734	*Grand total of persons listed who received degree 1936 through 1975*

WYOMING

(See Tables 1, 2, and 3 for comparisons with other states.)

There have been 25 SEP graduates in dentistry through 1975 who were sent as exchange students by the State of Wyoming, and information on the permanent location in 1975 was obtained for 22 of them. Another three were located in temporary assignments such as armed forces or graduate work.

Eleven of the 22, or 50%, were located in Wyoming. None of the SEP graduates from other sending states were located in Wyoming. There were five non-SEP graduates of the seven WICHE dental schools located in Wyoming who had received the dental degree during Wyoming's SEP era, 1957 through 1975. Totalling these, 16 graduates from the WICHE region during the SEP era were located in Wyoming, compared to 22 graduates sent as exchange students by Wyoming. When graduates of out-of-region schools are included, the number of SEP era graduates located in Wyoming is 5 times the number of SEP graduates sent by Wyoming.

SEP graduates represent 10% of all SEP era graduates located in Wyoming and 7% of the 168 grand total shown on the table.

Of the 110 individuals located in Wyoming in 1975 who had received the dental degree during the SEP era, 16 or 15% were graduates of the seven WICHE dental schools. Of the 58 who received the dental degree during the period 1936-1956, 3 or 5% were graduates of the seven WICHE schools.

Table 4j

ANALYSIS OF WICHE SEP GRADUATES AND CURRENT DENTAL MANPOWER
IN THE STATE OF WYOMING

WYOMING SEP GRADUATES 1957 THROUGH 1975		PERSONS LISTED IN ADA DIRECTORY WITH WYOMING ADDRESSES WHO RECEIVED DENTAL DEGREE 1957 THROUGH 1975	
Located in Wyoming in 1975	*11*	*11*	*Wyoming SEP*
Located in other "sending" states	5	0	SEP from other "sending" states
		0	Non-SEP graduates of UCSF & UCLA
		1	Non-SEP graduates of LL, UOP, & USC
Located in California	0	1	Total non-SEP graduates of California institutions
Located in Oregon	3	1	Non-SEP graduates of ORE
Located in Washington	2	3	Non-SEP graduates of WASH
Total in other WICHE states	*10*	*5*	*Total from other WICHE states*
Located in U.S. outside WICHE region	1	93	Graduates of U.S. institutions outside WICHE region
Located outside the U.S.	0	1	Graduates of institutions outside U.S.
Total out-of-region & foreign	*1*	*94*	*Total out-of-region & foreign*
Total Wyoming SEP located with permanent addresses	*22*	*110*	*Total graduates 1957 through 1975 located in Wyoming*
Located with temporary addresses	3	PERSONS LISTED IN ADA DIRECTORY WITH WYOMING ADDRESSES WHO RECEIVED DENTAL DEGREE 1936 THROUGH 1956	
Deceased or unknown	0		
Total Wyoming SEP graduates from SEP records	*25*	1	Graduates of UCSF & UCLA
		1	Graduates of LL, UOP, and USC
		1	Graduates of ORE
		0	Graduates of WASH
		55	Graduates of U.S. institutions outside WICHE region
		0	Graduates of institutions outside U.S.
		58	*Total graduates 1936 through 1956*
		168	*Grand total of persons listed who received degree 1936 through 1975*